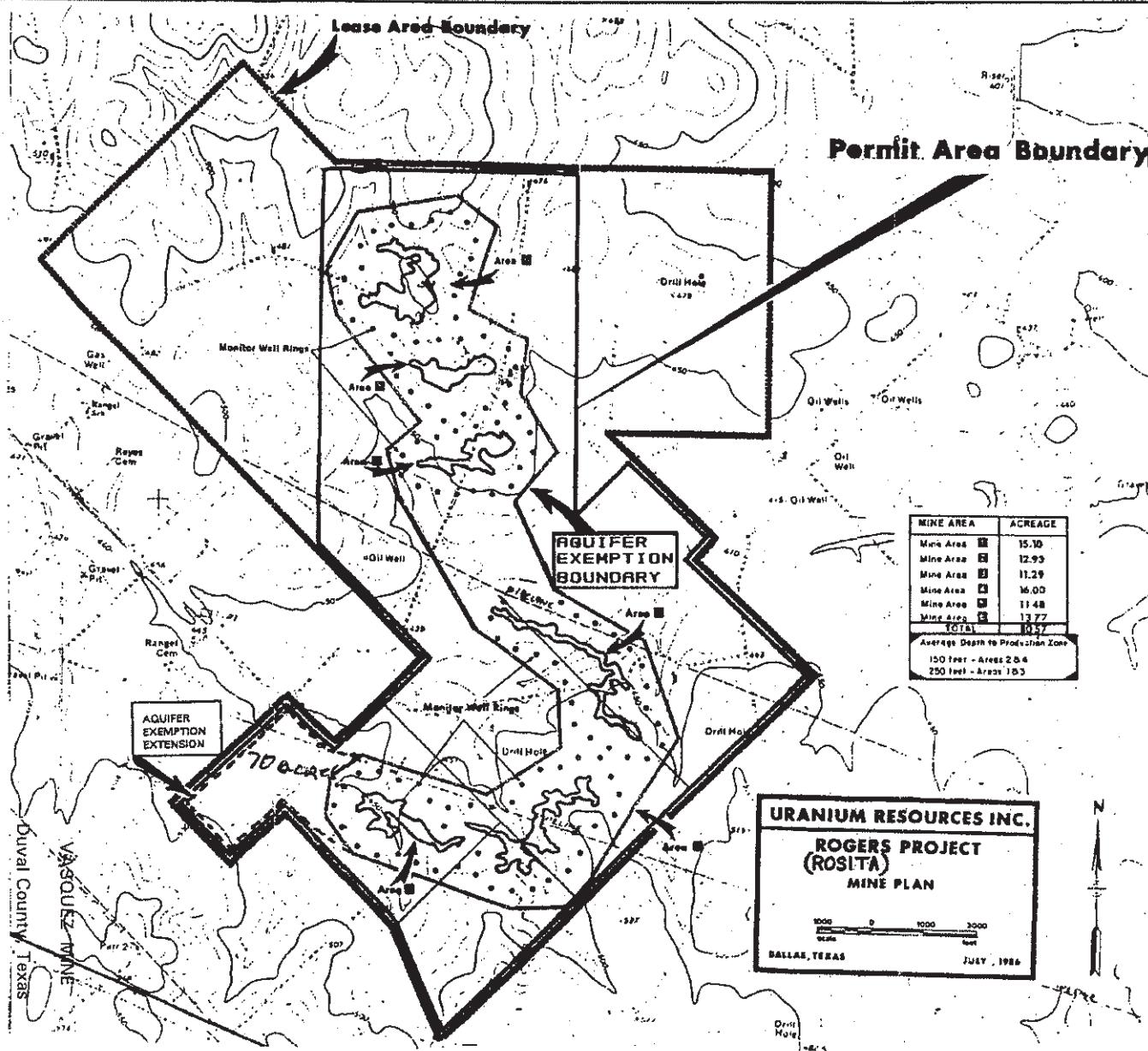


ATTACHMENT 1



Principal Highways

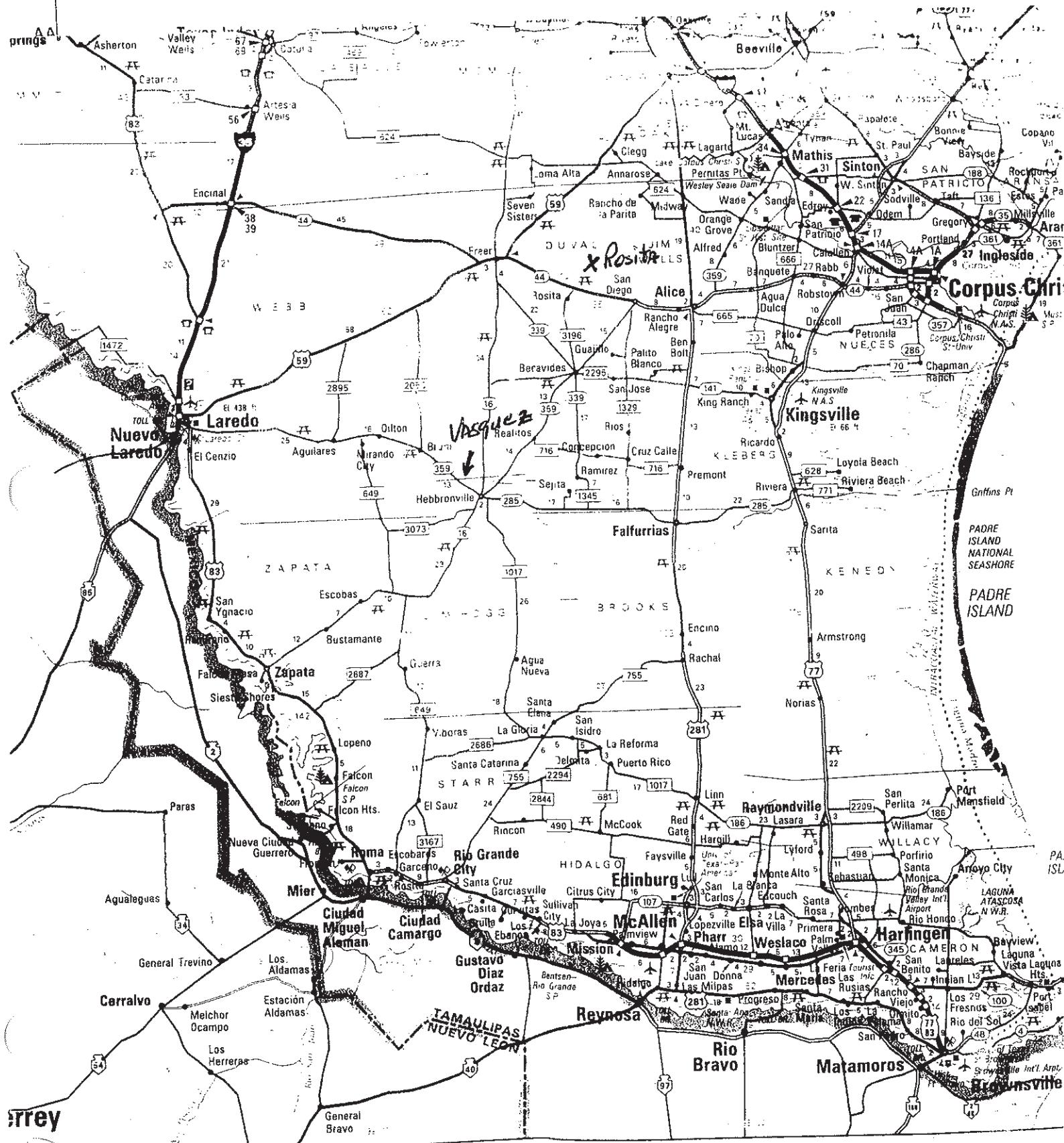
DALLAS

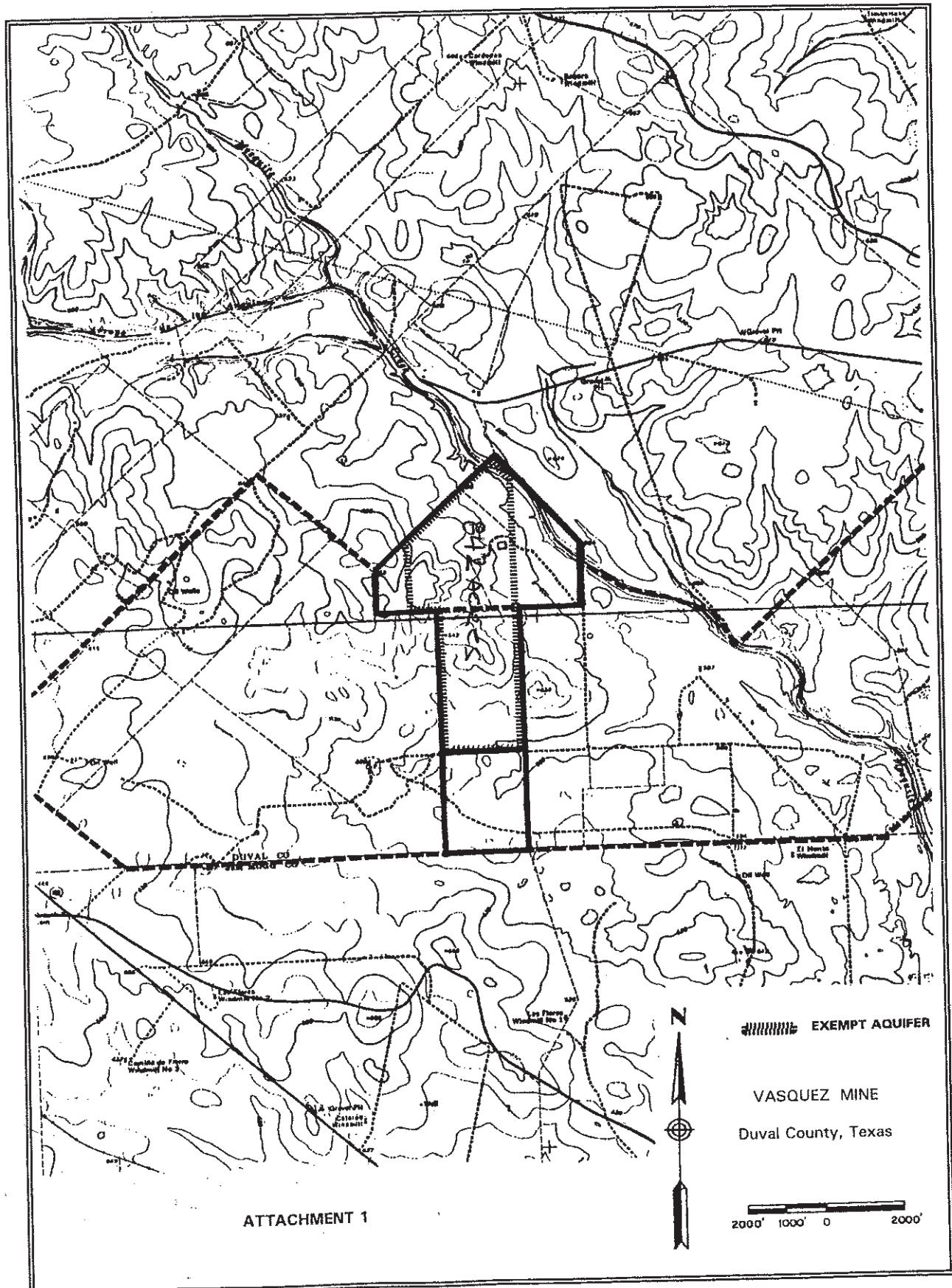
COUNTY Seat

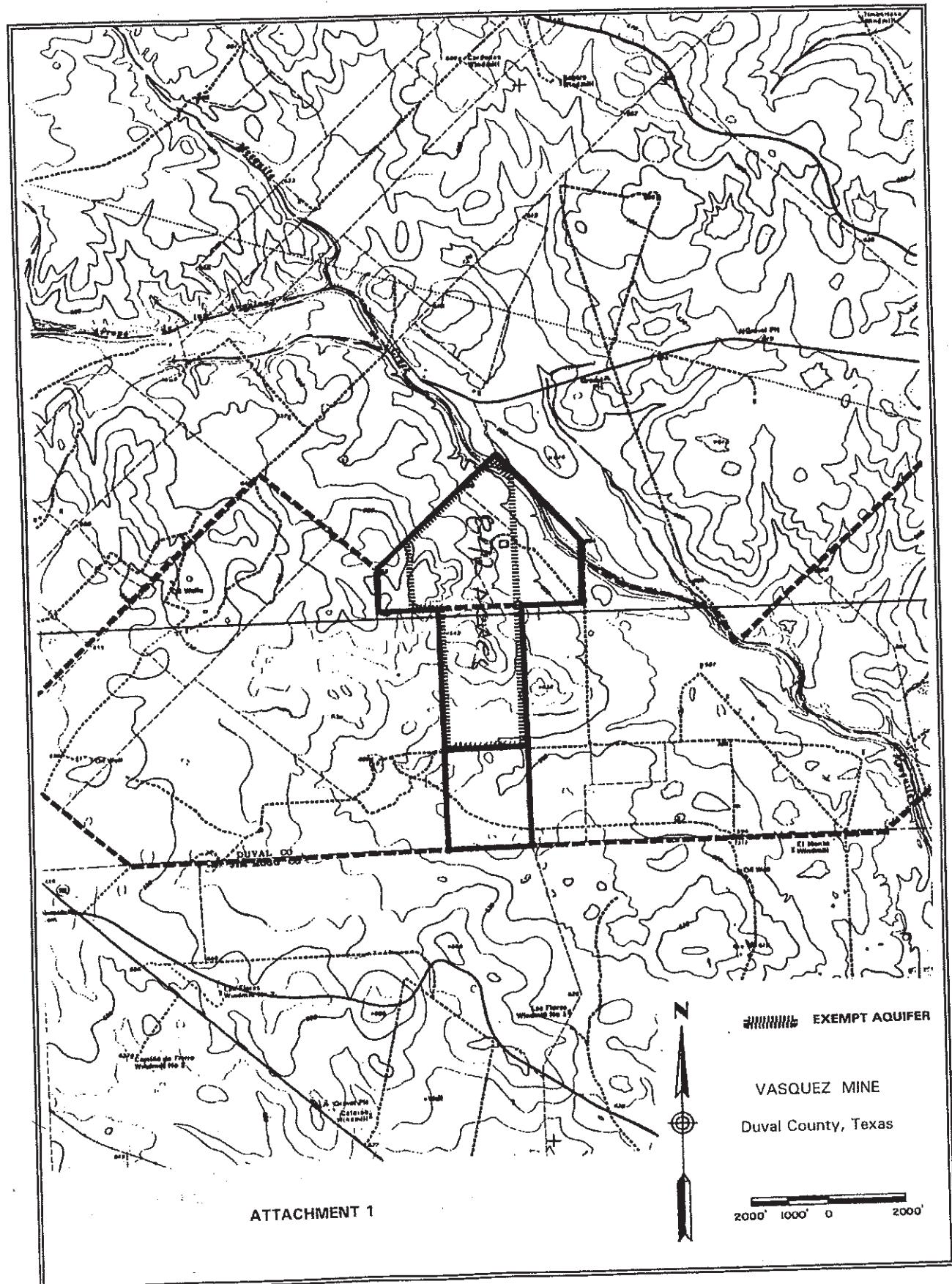
Shafter

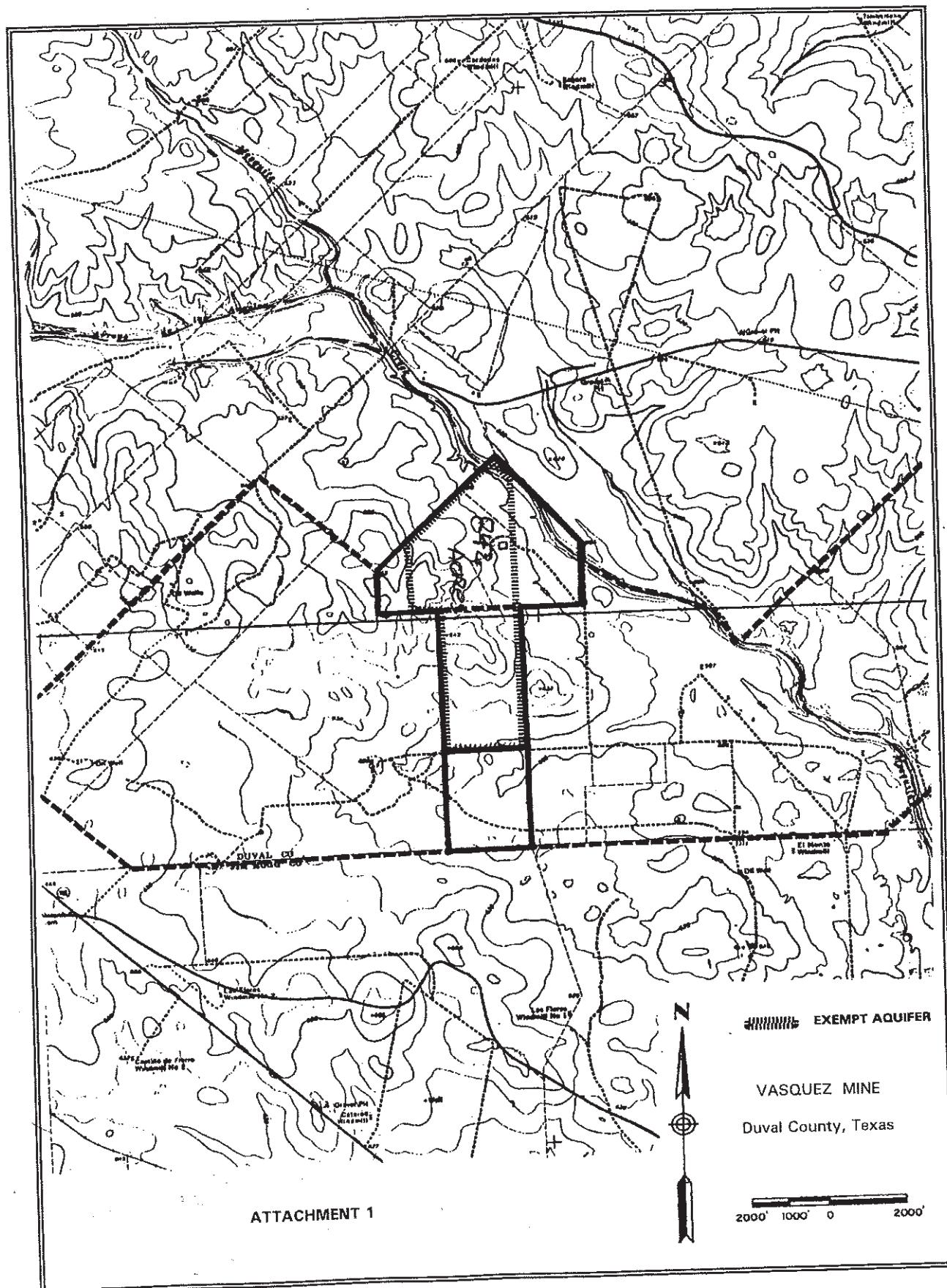
RAND McNALLY

P.O. Box 7600, Chicago, Illinois 60660 708 329-3730.  
Reproducing or displaying this map in whole or in part without  
the express written consent of the publisher  
means a violation  
of Federal Law.

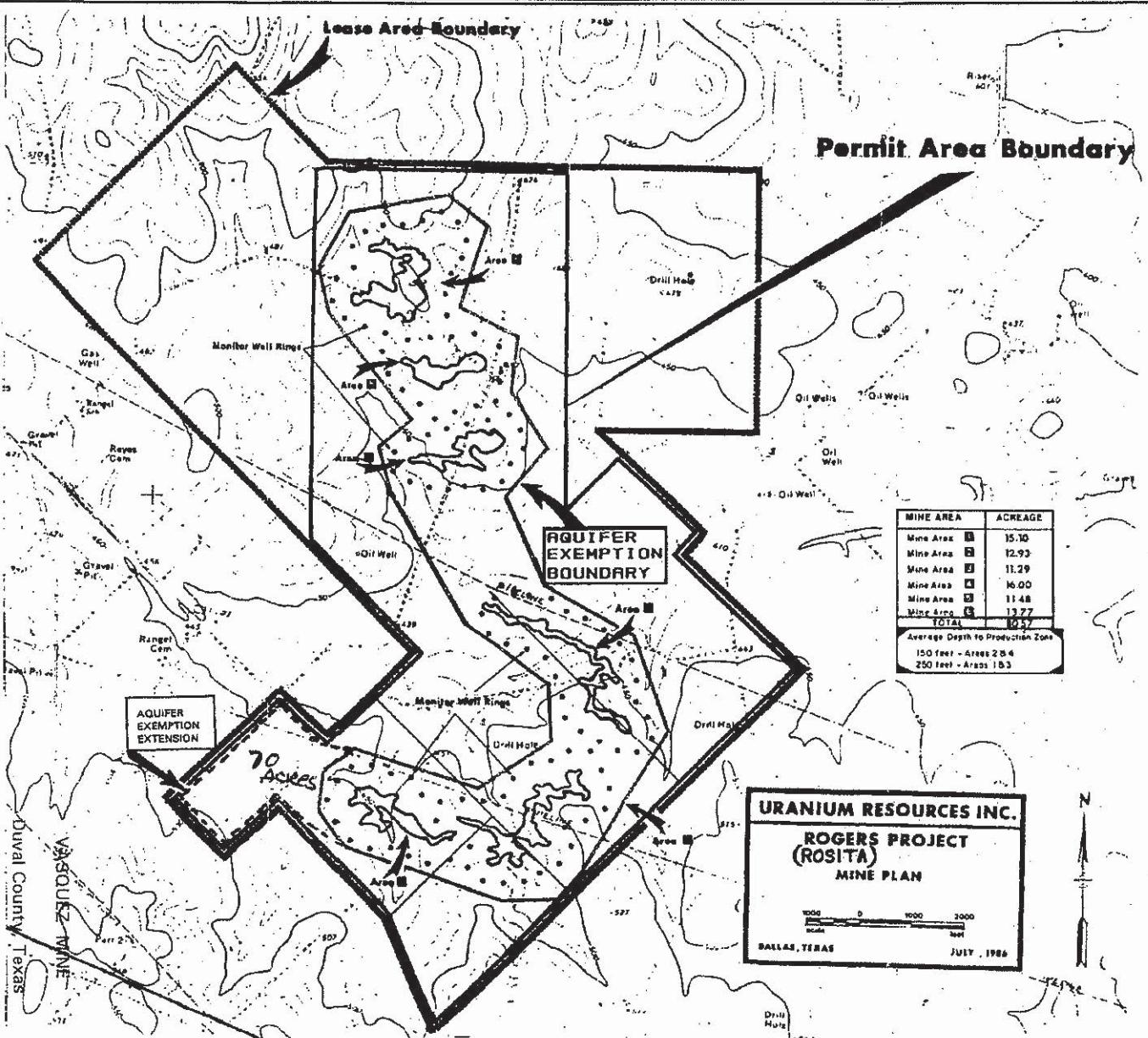




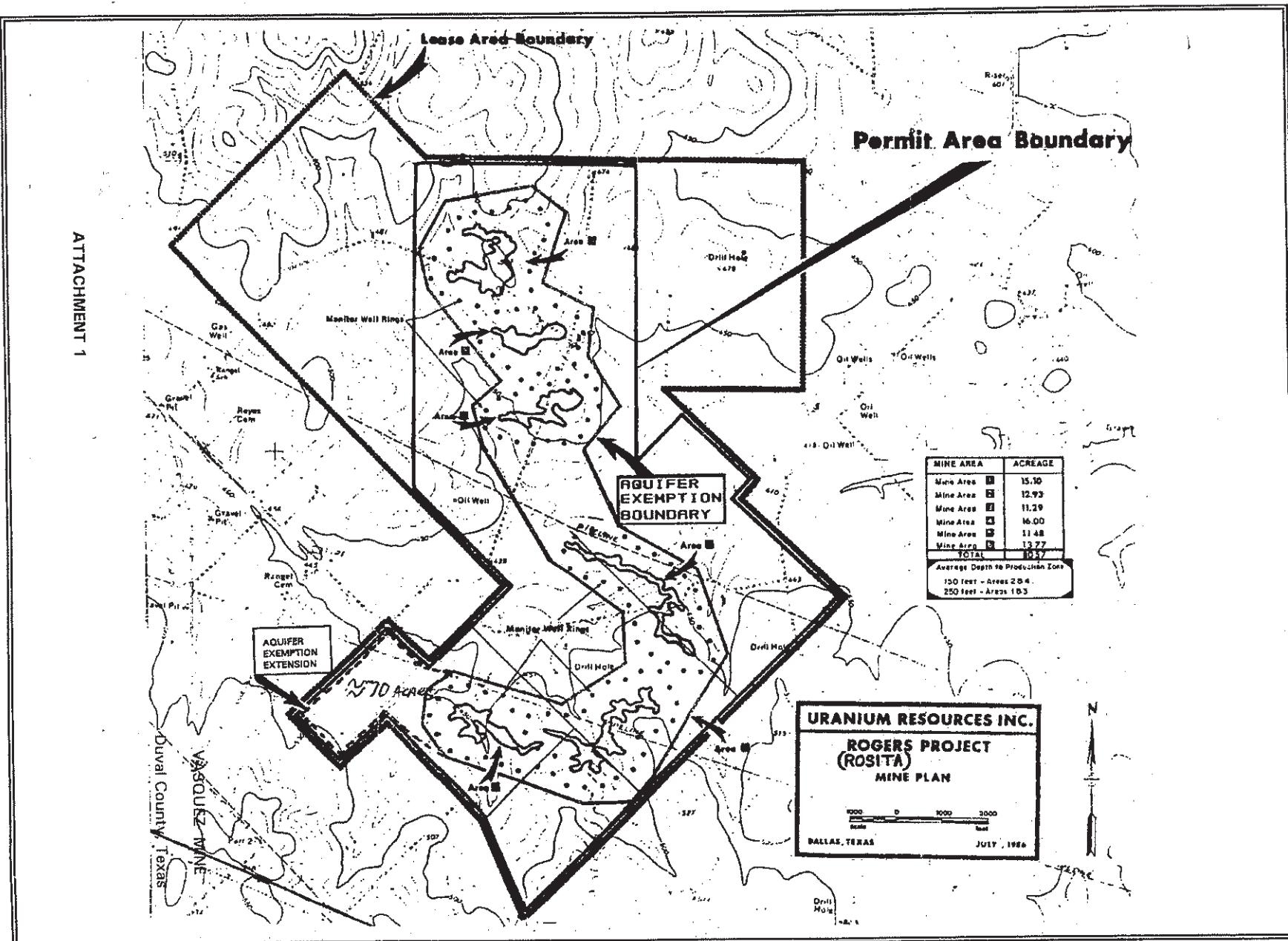


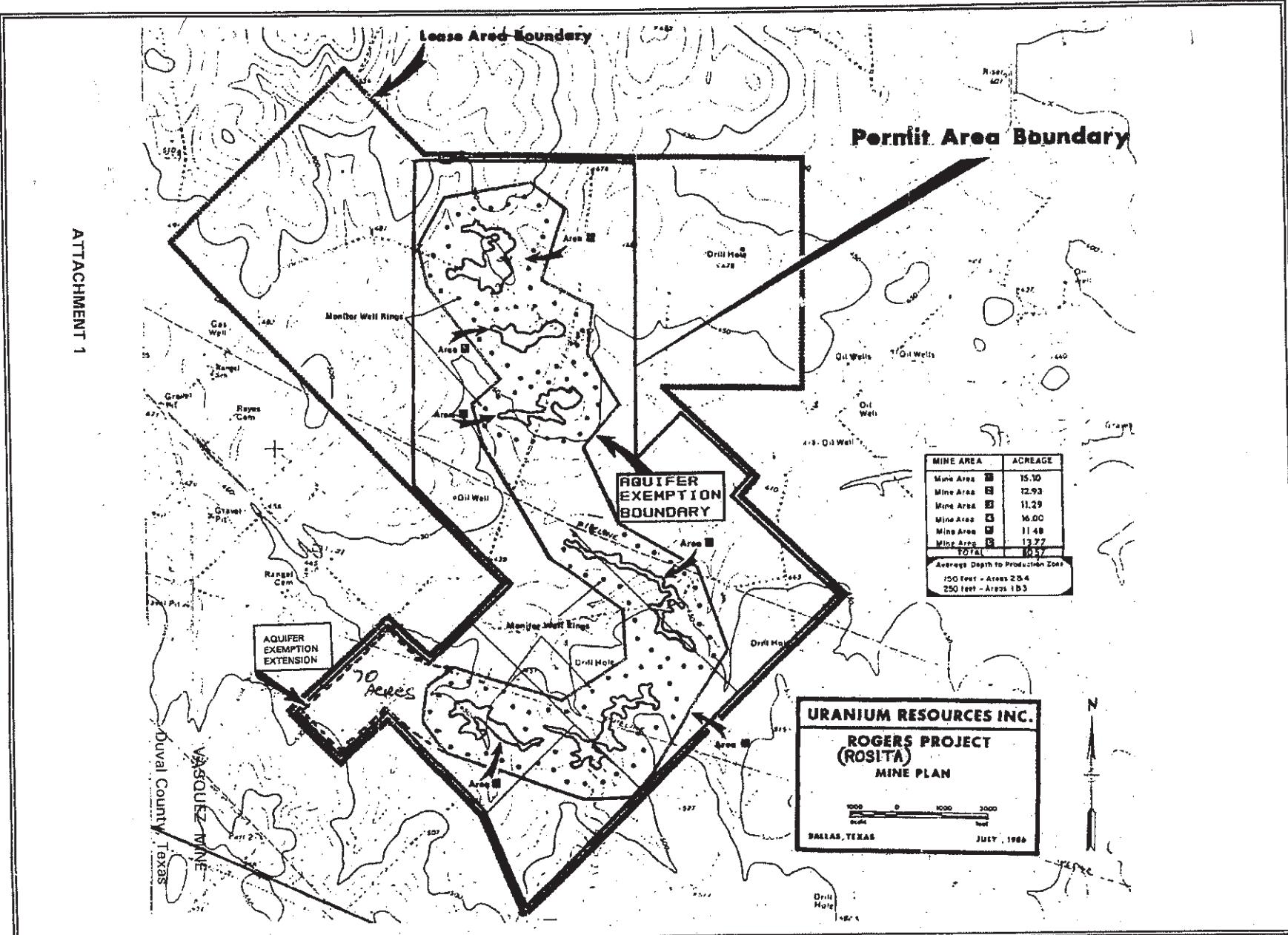


ATTACHMENT 1



**ATTACHMENT 1**





**ATTACHMENT 1**

## 6WQ-SG - 6RC ISSUES TRACKING CHART

July 8, 1998

ISSUE	SENT	RESPONSE	STATUS/DATE NEEDED
Necessity of codification for override authority?	1/14/98	verbal discussions	Unless waived by Director, a <u>written response is requested by 8/1/98</u> . Schedule briefings w/BII to determine what next response will accept.
ODEQ/OCC Transfer of authorities under the Oklahoma Environmental Quality Act?	1/21/98	verbal discussions	State revision application is dependent on a determination. <u>Suggested written response by 8/1/98</u>
OCC Area of Review Approval?	1/30/98	memo received 5/15/98	1/4 mile AOR not approved COMPLETED
Concurrence/Comments on proposed Class 5 rulemaking?	6/10/98	concurred 6/25/98	Cooke to Perciasepe Memo mailed 6/30/98 COMPLETED
LDNR Annular Injection of reserve pit fluids?	6/11/98	verbal discussions	Hathaway requested memo to Perciasepe to address same issue. <u>RC written response sought concurrently</u>
Comments/Concurrence on approval of Rosita and Vasquez aquifer exemptions?	6/29/98	verbal discussions led to minor revisions to proposed approval letter 7/7/98	Approval was withheld pending increased public participation effort by TNRCC. <u>Concurrence/Comments requested ASAP record</u>

RC to CONCUR or  
memo, Perciasepe

## UPCOMING ISSUES

ISSUE	SENT	RESPONSE	STATUS/DATE NEEDED
Review of Texas Railroad Commission application for Class III Brine wells			Memo drafted requesting conference call , waiting on latest version of MOA and Program Description from RRC
TNRCC revision application			Regulatory issues identified in 12/96 package addressed. Awaiting final package.
Dupont Sabine Facility Petition re-issuance			Meeting scheduled with operator.
OCC Revision Application Review			Expected December 1, 1998

c:\temp\NRCchart.98

*Call  
minor  
h'bs  
BRIANNE  
to being  
Patch up  
tospeed*

From: Ray Leissner  
To: R6DAL01.R6TOXLAN.BENNETT-JOANN  
Subject: Response to B. Hathaway memo

Joann,

This is follow up to our telephone conversation on 2/4 on the status of a memo from Bill Hathaway to Larry Starfield dated Jan 14, 1998. The memo's SUBJECT: Enforcement Override Authority on Delegated State UIC Program Regulations. We have no record of a response to that memo. Can you give us a status report on it? Which attorney has it? Thanks for your prompt attention to this matter.

CC: Pat Rankin, Larry Wright, Phil Dellinger

Mike took copy of memo to Pace in RC

Pat Weatherly to discuss w/ Tim Carter & respond

~~Pat Weatherly~~  
Pat Weatherly -

2165 2/17

### **Principal Highways**

Wallas

### 3. **Boundary Seats**

Shafter

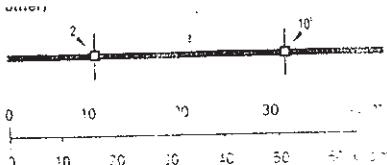
**Ryan**  
**A RAND MCNALLY**

P.O. Box 7600, St. Regis, B.C. V0G 2B0 (200-329-2700)  
Reproducing or distributing this material is prohibited  
by electronic or other means without written  
consent of the copyright owner.  
Copyright © 1991, 1992, 1993, 1994,  
1995, 1996, 1997, 1998, 1999, 2000.

This is a detailed historical map of the South Texas and Northern Mexico border region. The map spans from the Rio Grande in the south to the Gulf of Mexico in the north. Major cities shown include Laredo, Nuevo Laredo, McAllen, Edinburg, Mission, Pharr, Harlingen, Brownsville, and Matamoros. The map also includes numerous smaller towns and rural areas. Major roads are marked with route numbers, and county boundaries are indicated by dashed lines. The Gulf of Mexico is to the east, with Padre Island and the Padre Island National Seashore clearly labeled. The map also shows the location of the Corpus Christi Bay area. The overall layout is a standard topographic-style map with a focus on geographical features and human-made infrastructure.

Principal Highways

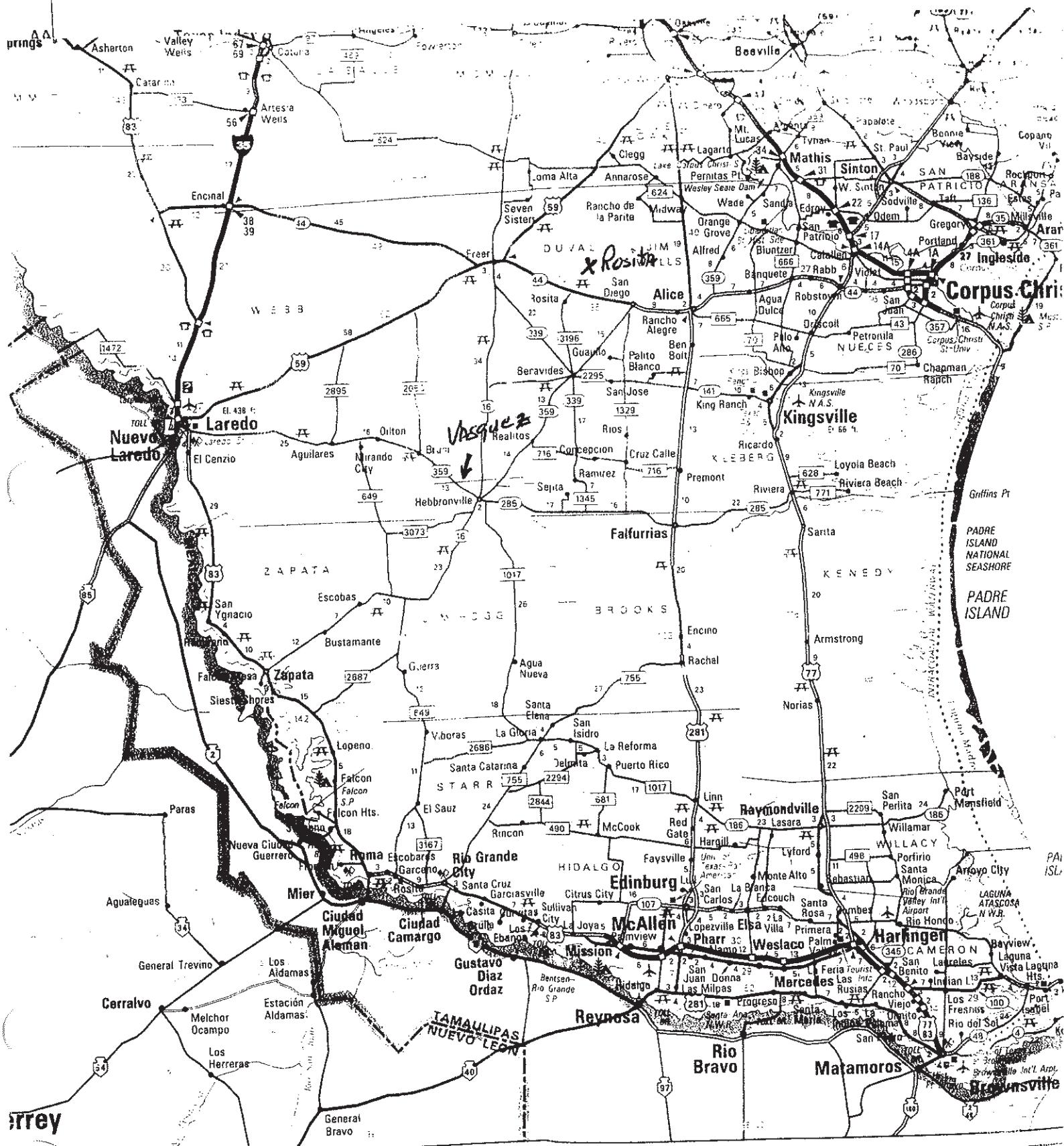
W



Dallas • Bryan  
• RAND McNALLY

P.O. Box 7600, Chicago, IL 60680-0200-3100  
Reproducing or displaying this map by any means, including  
by electronic storage or transmission, or by any other  
means, without permission, is illegal.  
Copyright © 1984, Rand McNally & Company

Shafter

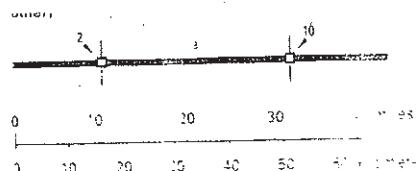


Principal Highways

Dallas

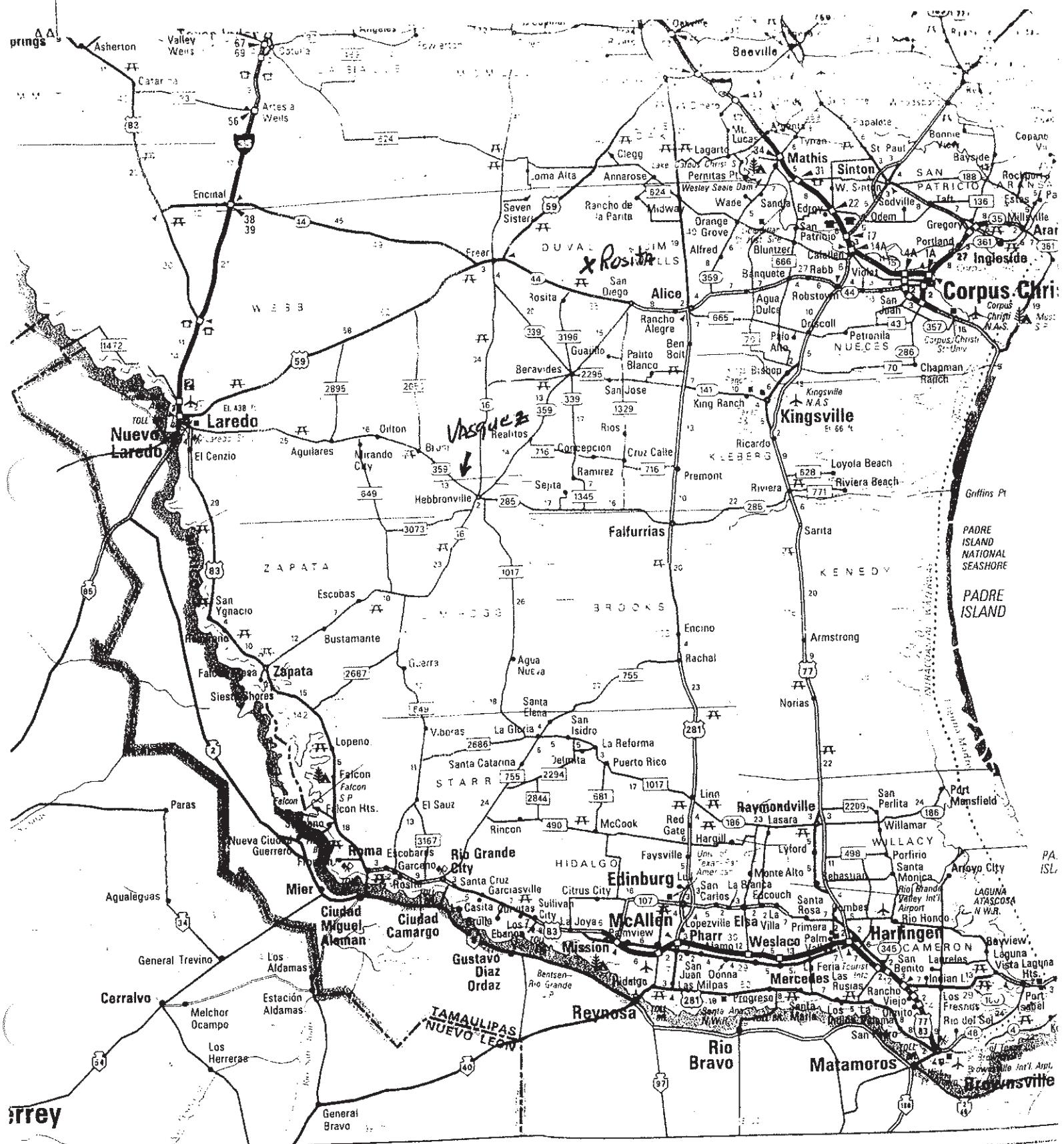
County Seat

Rand McNally



P.O. Box 7600, Chicago, Ill. 60680 308-229-5700  
Reproducing or displaying this map or its reproductions  
by electronic or other means is illegal  
unless granted a license.  
Copyright © 1971  
Rand McNally & Company

Shalter



## FACTS ON ROSITA EXEMPTION

- Goliad Formation, 140 - 260 feet subsurface
- addition (a. k. a. Tanguma expansion) to an existing exemption granted in 1988
- 28 "ranch wells" in various condidition were identified within 1 km (5/8 mile) of the facility boundry however development is limited and no domestic water supply wells exist within 1/4 mile of the facility boundry
- upper and lower confining layers are clay and slit zones -
- lower confining layer -

## FACTS ON VASQUEZ EXEMPTION

- Oakville Sandstone Formation, 150-210 feet subsurface
- no domestic water wells within 1/4 mile of lease boundry, 2 wells once existed within the boundry
- limited info on hydraulic data
- TDS is approximately 1000 - 1500
- upper confining layer consists of 80-100 feet of clay
- lower confining layer consists of 200 feet of clay
- no faults in the area

## Mining Operation

- uranium leached from host sand by oxidation and solubilization
- lixiviant contains bicarbonate anion complexing agent and oxygen
- pregnant lixiviant solution is pumped and stripped of uranium laced tricarbonate compound which is filtered for solids
- mining solution is refortified and reinjected
- mining operation is ringed by monitoring wells and operated in a sink mode thereby reducing opportunity for plume expansion
- TNRCC requires remediation plan at end of operations to near background levels

## Public Paraticipation

- Local publication by URI for Vasquez Project exemption in May 1997
- TNRCC notice for the Vasquez Project Exemption in May 1997
- Written requests for hearing by  
Coates Energy (dispute over mineral ownership- request withdrawn before the hearing - resolved )  
Henry Lowerre (attorney for EDF) on behalf of an affected person (later she denied authorizing Lowerre to reprresnt her)  
Henry Lowerre later submitted request for another affected person (request denied on basis of late

submittal)

- Concurrently EPA negotiated with TNRCC over public notice restrictions (required contested case hearings)
- TNRCC published notice for Rosita in August 97

## FACTS ON ROSITA EXEMPTION

- Goliad Formation, 140 - 260 feet subsurface
- addition (a. k. a. Tanguma expansion) to an existing exemption granted in 1988
- 28 "ranch wells" in various condition were identified within 1 km (5/8 mile) of the facility boundary however development is limited and no domestic water supply wells exist within 1/4 mile of the facility boundary
- upper and lower confining layers are clay and slit zones -
- lower confining layer -

## FACTS ON VASQUEZ EXEMPTION

- Oakville Sandstone Formation, 150-210 feet subsurface
- no domestic water wells within 1/4 mile of lease boundary, 2 wells once existed within the boundary
- limited info on hydraulic data
- TDS is approximately 1000 - 1500
- upper confining layer consists of 80-100 feet of clay
- lower confining layer consists of 200 feet of clay
- no faults in the area

## Mining Operation

- uranium leached from host sand by oxidation and solubilization
- lixiviant contains bicarbonate anion complexing agent and oxygen
- pregnant lixiviant solution is pumped and stripped of uranium laced tricarbonate compound which is filtered for solids
- mining solution is refortified and reinjected
- mining operation is ringed by monitoring wells and operated in a sink mode thereby reducing opportunity for plume expansion
- TNRCC requires remediation plan at end of operations to near background levels

## Public Participation

- Local publication by URI for Vasquez Project exemption in May 1997
- TNRCC notice for the Vasquez Project Exemption in May 1997
- Written requests for hearing by  
Coates Energy (dispute over mineral ownership- request withdrawn before the hearing - resolved )  
Henry Lowerre (attorney for EDF) on behalf of an affected person (later she denied authorizing Lowerre to represent her)
- Henry Lowerre later submitted request for another affected person (request denied on basis of late

submittal)

- Concurrently EPA negotiated with TNRCC over public notice restrictions (required contested case hearings)
- TNRCC published notice for Rosita in August 97

c:\tnrcc\exempt\wasrosita.fct